9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13479: TNNT2 Human

Alternative Name : CMH2, RCM3, TnTC, cTnT, CMPD2, MGC3889, TNNT2, Troponin T- cardiac muscle, Cardiac muscle troponin T, troponin T type 2 (cardiac).

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
TNNT2 is the tropomyosin-binding subunit of the troponin complex, which is situated on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in TNNT2 gene can lead to familial hypertrophic cardiomyopathy as well as dilated cardiomyopathy. TNNT2 mutation takes part in hypertrophic cardiomyopathy.
Cardiac Muscle Troponin T Human Recombinant produced in E.Coli is a single, non- glycosylated polypeptide chain containing 297 amino acids and having a molecular mass of 35.8kDa.TNNT2 is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg / 100 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	TNNT2 is supplied as a 0.2 µm filtered solution conteining 10mM Tris-HCl, pH8.0, 50% glycerol and 250mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	SDIEEVVEEY EEEEQEEAAV EEEEDWREDE DEQEEAAEED AEAEAETEET RAEEDEEEEE AKEAEDGPME ESKPKPRSFM PNLVPPKIPD GERVDFDDIH RKRMEKDLNE LQALIEAHFE NRKKEEEELV SLKDRIERRR AERAEQQRIR NEREKERQNR LAEERARREE EENRRKAEDE ARKKKALSNM MHFGGYIQKQ AQTERKSGKR QTEREKKKKI LAERRKVLAI DHLNEDQLRE KAKELWQSIY NLEAEKFDLQ EKFKQQKYEI NVLRNRINDN QKVSKTRGKA KVTGRWK.

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